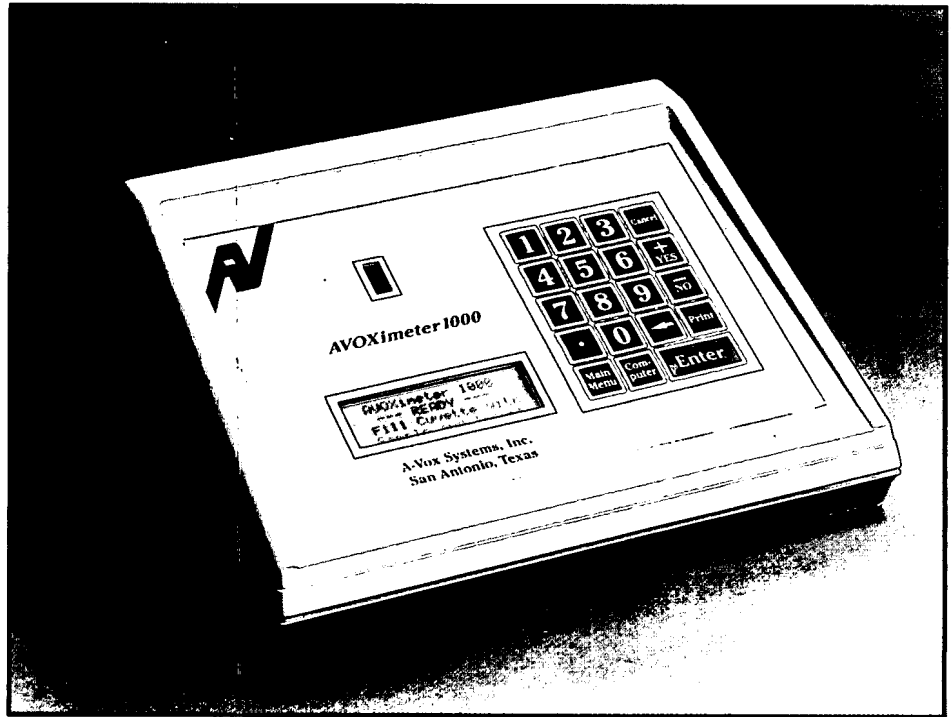


# AVOXimeter 1000\*

More than an oximeter  
Designed specifically for the cardiac cath-lab & ICU

**A-VOX Systems, Inc.**  
**15315 Grey Fox Terrace**  
**San Antonio, Texas, USA**  
**78255-1210**

## Whole-Blood Oximeter



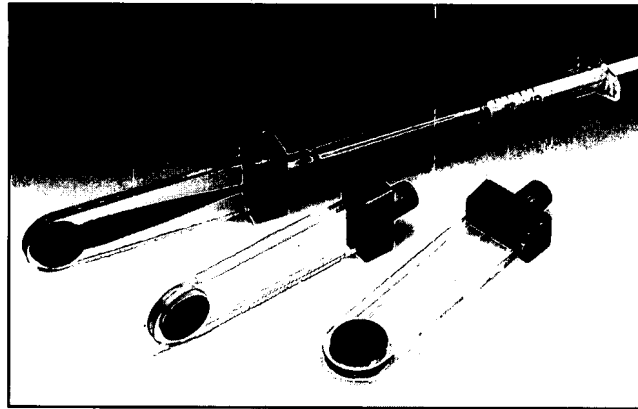
- Fast, accurate, inexpensive measurements:
  - O<sub>2</sub> Saturation*
  - O<sub>2</sub> Content*
  - Total Hemoglobin*
- No interference from Cardio-Green® dye or carboxy- or methemoglobin
- Nine computed hemodynamic variables (including Fick Principle cardiac output)
- Easy-to-use disposable cuvettes\*
- No maintenance
- Controls for easy calibration

\* patent pending

# AVOXimeter 100

*An advanced oximeter for fast, accurate, inexpensive measurements*

*Safe, convenient, disposable cuvettes*



No sample preparation.

Simply inject sample into cuvette and insert cuvette into oximeter.

Sealed disposable cuvettes eliminate maintenance and assure operator safety.

Sample is analyzed in less than 10 seconds.

Illuminated display for easy reading in dim procedure room.

Data are stored for later analysis or printing.

Easy menu-driven operations.

Hemodynamic computations including Fick Principle cardiac output.

*Fast, accurate results*

```
Sample # 1
% $\text{HbO}_2$  = 98.6 %
[O2] = 16.4 ml/dl
[THb] = 11.9 g/dl
```

*Hemodynamic computations*

```
**Cardiac Output**
O2 Uptake=250 ml/min
Venous [O2]=14.0 ml/dl
Art. [O2]=19.0 ml/dl
```

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## Specifications

### Measurements and Operating Ranges

Oxyhemoglobin saturation 0-100%  
Total hemoglobin 4 to 25 g/dl  
concentration  
Oxygen content 0-35 ml O<sub>2</sub>/dl

### Accuracy

% $\text{HbO}_2$  saturation 1%  
Total hemoglobin  
Less than 10g/dl 0.35 g/dl  
More than 10g/dl 0.45 g/dl

### Precision

% $\text{HbO}_2$  saturation 0.5%  
Total hemoglobin 0.3 g/dl

### Sample

Type Whole blood  
Volume 50  $\mu$ l

Time per Sample 7-10 sec

Number of Wavelengths 5

Calibration Controls

Hemodynamic Computations 9

### No Interference from

Cardio-Green dye  
Bilirubin  
Hemolysis  
Carboxyhemoglobin  
Methemoglobin  
Fetal Hemoglobin

Power 115/220 VAC  
50-60 Hz

Dimensions 10" x 8" x 3.75"  
(25.4 x 20.4 x 9.5 cm)

Weight 4 lbs (1.8 kg)

Printer Port Serial

### Approvals

FCC Class A  
UL544 99F0